

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	42	("5955717" "6246771" "6292830" "5590197" "5602918" "6233341" "6366682" "5764789" "5915023" "5999626" "6327578" "5953421" "5903882" "6131090" "5960086" "5796841" "6134328" "5764767" "6175922" "6158007" "5870723" "6594376" "5784459" "6853988" "4868877" "6253193" "6363488" "6389402" "6127140" "6718167" "6738912" "5188356" "5721777" "5790669" "5870473" "5745574" "6233565" "4955044" "5642420" "5917913" "6138107" "6789189"). pn.	USPAT	OR	OFF	2007/03/15 19:24
L2	41	("5936865" "6385504" "6091835" "6188882" "6212634" "6212634" "4996711" "5883956" "4465904" "4864616" "5663896" "5712800" "6018582" "6081597" "6260544" "6397328" "5546463" "5878112" "6438691" "6453416" "6609111" "6038318" "6195751" "6314517" "5923813" "5943423" "5571122" "6128738" "5293424" "5379344" "5406624" "5640452" "5818030" "6078888" "6185307" "6240512" "6243816" "6289455" "6317500" "4995081" "5261002" "5892828"). pn.	USPAT	OR	OFF	2007/03/15 19:24
L3	39	("6108788" "6230266" "6256741" "6311171" "6213391" "6213391" "4825050" "5983207" "6028940" "6385725" "6438235" "6820199" "6820202" "6192173" "6716470" "5968142" "6209093" "5966444" "6163841" "5872848" "6047072" "6085322" "6085320" "6108783" "6111956" "6151395" "6189098" "4944007" "5446972" "5539826" "5588060" "5633933" "5699131" "5896155" "5907618" "5923763" "6061790" "6061790" "6081893" "6141423" "6216229" "6216229"). pn.	USPAT	OR	OFF	2007/03/15 19:24

## EAST Search History

L4	50	("6789189" "4928001" "6167521" "6477370" "5892828" "6216229" "6353812" "6236854" "6215872" "6487294" "1879717" "6237096" "6269348" "6397329" "6215872" "6108644" "4926480" "4032931" "5949882" "6108336" "6446052" "5557665" "5001752" "5953422" "6732277" "4805216" "6081610" "4782482" "5214702" "5960084" "6880079" "4926478" "4999742" "5825300" "5237611" "6212635" "6349338" "5005200" "6012039" "5852666" "5432848" "6212635" "6351812" "5204894" "6192142" "6002929" "5455862" "5850442" "6608820" "5201902" "5612889" "6032260").pn.	USPAT	OR	OFF	2007/03/15 19:24
L5	42	("5955717" "6246771" "6292830" "5590197" "5602918" "6233341" "6366682" "5764789" "5915023" "5999626" "6327578" "5953421" "5903882" "6131090" "5960086" "5796841" "6134328" "5764767" "6175922" "6158007" "5870723" "6594376" "5784459" "6853988" "4868877" "6253193" "6363488" "6389402" "6127140" "6718167" "6738912" "5188356" "5721777" "5790669" "5870473" "5745574" "6233565" "4955044" "5642420" "5917913" "6138107" "6789189"). pn.	USPAT	OR	OFF	2007/03/15 19:24
L6	42	("6002768" "6100823" "6190679" "5260941" "6154879" "5591949" "5696823" "5623637" "6209016" "6298135" "6199762" "5659616" "6393565" "6000832" "6142690" "6317700" "6151677" "6193152" "5778071" "5864667" "5903651" "5982898" "6282649" "6301658" "6308277" "6367013" "6430688" "6442689" "6745327" "6049878" "5799088" "5790677" "6230269" "6560581" "6105012" "6415271" "5978918" "4521879" "5008827" "5742756" "6202157" "4928001"). pn.	USPAT	OR	OFF	2007/03/15 19:24

## EAST Search History

L7	42	("6834272" "5677955" "5535276" "5737419" "5748735" "5889861" "5265164" "5481613" "5796830" "5923756" "6072876" "6198824" "5517567" "5615268" "5815573" "5933503" "5937066" "5974150" "6052469" "6122712" "6202150" "4525805" "5204901" "5237571" "5541994" "5604801" "5633929" "5675649" "5680460" "5748738" "5799086" "5832091" "5841865" "5850451" "5857022" "5867578" "5872849" "5982899" "6009177" "6134658" "6134327" "6167521"). pn.	USPAT	OR	OFF	2007/03/15 19:24
L8	42	("5214691" "5216715" "5222136" "5311595" "5379280" "5392353" "5408526" "5412723" "5418854" "5440635" "5448634" "5497421" "5689565" "5778070" "5812764" "5841868" RE36310 "6038551" "6041123" "6233337" "6247127" "6256734" "6282295" "6282648" "6285991" "6289453" "6292569" "6307935" "6314521" "6339828" "6345098" "6385728" "6393126" "6408389" "6411716" "6424718" "6425011" "6442696" "6466048" "6473508" "6476351" "6477370"). pn.	USPAT	OR	OFF	2007/03/15 19:24
L9	41	("5936865" "6385504" "6091835" "6188882" "6212634" "6212634" "4996711" "5883956" "4465904" "4864616" "5663896" "5712800" "6018582" "6081597" "6260544" "6397328" "5546463" "5878112" "6438691" "6453416" "6609111" "6038318" "6195751" "6314517" "5923813" "5943423" "5571122" "6128738" "5293424" "5379344" "5406624" "5640452" "5818030" "6078888" "6185307" "6240512" "6243816" "6289455" "6317500" "4995081" "5261002" "5892828"). pn.	USPAT	OR	OFF	2007/03/15 19:24

## EAST Search History

L10	39	("6108788" "6230266" "6256741" "6311171" "6213391" "6213391" "4825050" "5983207" "6028940" "6385725" "6438235" "6820199" "6820202" "6192173" "6716470" "5968142" "6209093" "5966444" "6163841" "5872848" "6047072" "6085322" "6085320" "6108783" "6111956" "6151395" "6189098" "4944007" "5446972" "5539826" "5588060" "5633933" "5699131" "5896155" "5907618" "5923763" "6061790" "6061790" "6081893" "6141423" "6216229" "6216229"). pn.	USPAT	OR	OFF	2007/03/15 19:24
L11	50	("6789189" "4928001" "6167521" "6477370" "5892828" "6216229" "6353812" "6236854" "6215872" "6487294" "1879717" "6237096" "6269348" "6397329" "6215872" "6108644" "4926480" "4032931" "5949882" "6108336" "6446052" "5557665" "5001752" "5953422" "6732277" "4805216" "6081610" "4782482" "5214702" "5960084" "6880079" "4926478" "4999742" "5825300" "5237611" "6212635" "6349338" "5005200" "6012039" "5852666" "5432848" "6212635" "6351812" "5204894" "6192142" "6002929" "5455862" "5850442" "6608820" "5201902" "5612889" "6032260").pn.	USPAT	OR	OFF	2007/03/15 19:24
L12	292	L5 or L6 or L7 or L8 or L9 or L10 or L11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
L13	7	request same workflow same certificate	USPAT	OR	OFF	2007/03/15 19:24
L14	126	request same certificate same (enroll\$4 or renew\$2 or revok\$5)	USPAT	OR	OFF	2007/03/15 19:24
L15	325	teng-j\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24

## EAST Search History

L16	17	remahl-t\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
L17	137	sinn-r\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
L18	0	sinn.in. and certificate	USPAT	OR	OFF	2007/03/15 19:24
L19	768	certification and profile and user and type	USPAT	OR	OFF	2007/03/15 19:25
L20	1599	certificate\$2 and profile\$2 and user\$2 and type\$2	USPAT	OR	OFF	2007/03/15 19:25
L21	190	sinn.in.	USPAT	OR	OFF	2007/03/15 19:25
S5	42	("5955717" "6246771" "6292830" "5590197" "5602918" "6233341" "6366682" "5764789" "5915023" "5999626" "6327578" "5953421" "5903882" "6131090" "5960086" "5796841" "6134328" "5764767" "6175922" "6158007" "5870723" "6594376" "5784459" "6853988" "4868877" "6253193" "6363488" "6389402" "6127140" "6718167" "6738912" "5188356" "5721777" "5790669" "5870473" "5745574" "6233565" "4955044" "5642420" "5917913" "6138107" "6789189"). pn.	USPAT	OR	OFF	2007/03/15 19:24
S6	42	("6002768" "6100823" "6190679" "5260941" "6154879" "5591949" "5696823" "5623637" "6209016" "6298135" "6199762" "5659616" "6393565" "6000832" "6142690" "6317700" "6151677" "6193152" "5778071" "5864667" "5903651" "5982898" "6282649" "6301658" "6308277" "6367013" "6430688" "6442689" "6745327" "6049878" "5799088" "5790677" "6230269" "6560581" "6105012" "6415271" "5978918" "4521879" "5008827" "5742756" "6202157" "4928001"). pn.	USPAT	OR	OFF	2005/05/24 11:07

## EAST Search History

S7	42	("6834272" "5677955" "5535276" "5737419" "5748735" "5889861" "5265164" "5481613" "5796830" "5923756" "6072876" "6198824" "5517567" "5615268" "5815573" "5933503" "5937066" "5974150" "6052469" "6122712" "6202150" "4525805" "5204901" "5237571" "5541994" "5604801" "5633929" "5675649" "5680460" "5748738" "5799086" "5832091" "5841865" "5850451" "5857022" "5867578" "5872849" "5982899" "6009177" "6134658" "6134327" "6167521"). pn.	USPAT	OR	OFF	2005/05/24 11:09
S8	42	("5214691" "5216715" "5222136" "5311595" "5379280" "5392353" "5408526" "5412723" "5418854" "5440635" "5448634" "5497421" "5689565" "5778070" "5812764" "5841868" RE36310 "6038551" "6041123" "6233337" "6247127" "6256734" "6282295" "6282648" "6285991" "6289453" "6292569" "6307935" "6314521" "6339828" "6345098" "6385728" "6393126" "6408389" "6411716" "6424718" "6425011" "6442696" "6466048" "6473508" "6476351" "6477370"). pn.	USPAT	OR	OFF	2005/05/24 11:09
S10	41	("5936865" "6385504" "6091835" "6188882" "6212634" "6212634" "4996711" "5883956" "4465904" "4864616" "5663896" "5712800" "6018582" "6081597" "6260544" "6397328" "5546463" "5878112" "6438691" "6453416" "6609111" "6038318" "6195751" "6314517" "5923813" "5943423" "5571122" "6128738" "5293424" "5379344" "5406624" "5640452" "5818030" "6078888" "6185307" "6240512" "6243816" "6289455" "6317500" "4995081" "5261002" "5892828"). pn.	USPAT	OR	OFF	2007/03/15 19:24

## EAST Search History

S11	39	("6108788" "6230266" "6256741" "6311171" "6213391" "6213391" "4825050" "5983207" "6028940" "6385725" "6438235" "6820199" "6820202" "6192173" "6716470" "5968142" "6209093" "5966444" "6163841" "5872848" "6047072" "6085322" "6085320" "6108783" "6111956" "6151395" "6189098" "4944007" "5446972" "5539826" "5588060" "5633933" "5699131" "5896155" "5907618" "5923763" "6061790" "6061790" "6081893" "6141423" "6216229" "6216229"). pn.	USPAT	OR	OFF	2007/03/15 19:24
S13	50	("6789189" "4928001" "6167521" "6477370" "5892828" "6216229" "6353812" "6236854" "6215872" "6487294" "1879717" "6237096" "6269348" "6397329" "6215872" "6108644" "4926480" "4032931" "5949882" "6108336" "6446052" "5557665" "5001752" "5953422" "6732277" "4805216" "6081610" "4782482" "5214702" "5960084" "6880079" "4926478" "4999742" "5825300" "5237611" "6212635" "6349338" "5005200" "6012039" "5852666" "5432848" "6212635" "6351812" "5204894" "6192142" "6002929" "5455862" "5850442" "6608820" "5201902" "5612889" "6032260").pn.	USPAT	OR	OFF	2007/03/15 19:24
S14	292	S5 or S6 or S7 or S8 or S10 or S11 or S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
S15	3	certificate same enrollment same renewal same revocation same (workflow or workflows)	USPAT	OR	OFF	2006/07/10 08:41
S16	7	certificate same enrollment same renewal same revocation	USPAT	OR	OFF	2006/07/10 08:41
S17	3	request same workflow same certificate	USPAT	OR	OFF	2007/03/15 19:24
S18	3	request same workflow\$2 same certificate	USPAT	OR	OFF	2006/07/10 08:41
S19	1688	workflow\$2	USPAT	OR	OFF	2006/07/10 08:42
S21	147	request and workflow\$2 and certificate	USPAT	OR	OFF	2006/07/10 08:42

## EAST Search History

S22	6	request and workflow\$2 and certificate and directives	USPAT	OR	OFF	2006/07/10 08:42
S25	3	(request with action) and (retrieve with (rule\$2 or workflow\$2 or guideline\$2)) and certificate	USPAT	OR	OFF	2006/07/10 08:42
S26	4	(request\$2 with action\$2) and (retrieve with (rule\$2 or workflow\$2 or guideline\$2)) and certificate	USPAT	OR	OFF	2006/07/10 08:42
S27	59	request same certificate same (enroll\$4 or renew\$2 or revok\$5)	USPAT	OR	OFF	2007/03/15 19:24
S28	43	employing and electronic and certificate and workflows	USPAT	OR	OFF	2006/07/10 08:42
S29	134	sinn-r\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
S30	246	teng-j\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
S31	14	remahl-t\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 19:24
S32	2	"5581691".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 14:18
S33	2	"5999911".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 14:18
S34	2	"6138104".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 14:18



## EAST Search History

S35	2	"6073109".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 14:19
S36	32	("6131120" "5581691" "5999911" "6138104" "6073109" "5903882" "6223291" "6367013" "5944824" "6347312" "5077666" "5455953" "5530861" "5581691" "5678041" "5692125" "5708780" "5764890" "5991810" "5999911" "6073109" "6098056" "6131120" "6138104" "6141778" "6151531" "6158010" "6182142" "6208986" "6212558" "6256739" "6266420" "6338097" "6366913" "6434531" "6442567" "6539379").pn.	USPAT	OR	OFF	2005/06/01 16:42
S37	3	certificate same enrollment same renewal same revocation same (workflow or workflows)	USPAT	OR	OFF	2006/07/10 08:41
S38	7	certificate same enrollment same renewal same revocation	USPAT	OR	OFF	2006/07/10 08:41
S39	5	request same workflow same certificate	USPAT	OR	OFF	2006/07/10 08:41
S40	5	request same workflow\$2 same certificate	USPAT	OR	OFF	2006/07/10 08:41
S41	2361	workflow\$2	USPAT	OR	OFF	2006/07/10 08:42
S42	194	request and workflow\$2 and certificate	USPAT	OR	OFF	2006/07/10 08:42
S43	12	request and workflow\$2 and certificate and directives	USPAT	OR	OFF	2006/07/10 08:42
S44	7	(request with action) and (retrieve with (rule\$2 or workflow\$2 or guideline\$2)) and certificate	USPAT	OR	OFF	2006/07/10 08:42
S45	8	(request\$2 with action\$2) and (retrieve with (rule\$2 or workflow\$2 or guideline\$2)) and certificate	USPAT	OR	OFF	2006/07/10 08:42
S46	96	request same certificate same (enroll\$4 or renew\$2 or revok\$5)	USPAT	OR	OFF	2006/07/10 08:42
S47	45	employing and electronic and certificate and workflows	USPAT	OR	OFF	2006/07/10 08:42

## EAST Search History

S48	289	teng-j\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 08:42
S49	16	remahl-t\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 08:42
S50	137	sinn-r\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 10:10
S51	169	("5301320" "5734837" "5822454" "5831975" "5867665" "5867824" "5884284" "5907837" "5940834" "5960422" "5961593" "5966702" "5987457" "5991768" "5991807" "6012098" "6044462" "6061726" "6061740" "6073242" "6105063" "6105066" "6112181" "6154776" "6173311" "6195689" "6195696" "6041306" "6216231" "6219667" "6223291" "6263332" "6263363" "6275916" "6292833" "6295061" "6304949" "6317783" "6330569" "6336124" "6336214" "6339826" "6389589" "6397232" "6408336" "6457066" "6493702" "6493731" "6507857" "6519571" "6519767" "6523027" "6539021" "6542515" "6564370" "6571216" "6571279" "6574675" "6587856" "6591260" "6606644" "6632251" "6643661" "6671695" "6675261" "6678733" "6728685" "6745327" "6748374" "6748569" "6751797" "6754702" "6782379" "6785726" "6791949" "6816871" "6842863" "6854016" "6886170" "6901588" "6959415" "6968503" "6970862").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 10:10

## EAST Search History

S52	78	"20040153509" "20040049675" "20040064356" "20040002903" "20030110376" "20030065921" "20020138543" "20020138572" "20020138577" "20020138763" "20020143865" "20020143943" "20020147746" "20020147801" "20020147813" "20020152244" "20020152254" "20020158679" "20020166049" "20020184444" "20010023440" "20010027439" "20010049770" "20020053023" "20020062435" "20020065701" "20020078307" "20020091836" "20020099822" "20020103819" "20020108003" "20020129024" "20020129135" "20020129177" "20020133516" "20010002485" "20010007133"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 10:10
S53	189	sinn.in.	USPAT	OR	OFF	2006/12/21 22:14
S54	0	sinn.in. and certificate	USPAT	OR	OFF	2007/03/15 19:24
S55	1	"6061726".pn.	USPAT	OR	OFF	2006/12/21 22:26
S56	2	"6061726".pn. "6173311".in. "6854016".pn.	USPAT	OR	OFF	2006/12/21 22:28
S57	3	"6061726".pn. "6173311".pn. "6854016".pn.	USPAT	OR	OFF	2006/12/21 22:28